

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2004/018180

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D209/82 C07D401/12 A61K31/4439 A61K31/403 A61P31/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07D A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, BEILSTEIN Data, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	A BAILEY: "Further examination of the reactions between arenesulphonyl azides and tetrahydrocarbazoles" JOURNAL OF THE CHEMICAL SOCIETY, PERKIN TRANS I, vol. 17, 1973, pages 1809-1818, XP001202705 see formula XIV and experimental	1-47
X	EP 0 496 314 A (HOECHST ROUSSEL PHARMA) 29 July 1992 (1992-07-29) See general formula, definitions of R1 and R2, formula XXVIII and example 12	1,2,5, 18,19, 33,35,36
A	WO 02/00632 A (HOFFMANN LA ROCHE) 3 January 2002 (2002-01-03) the whole document	1-47
-/--		

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

12 October 2004

Date of mailing of the international search report

22/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5618 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Scruton-Evans, I

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/018180

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 451 634 A (BAYER AG) 16 October 1991 (1991-10-16) see general formula I, definitions of A and X, and formula II, page 5 and examples -----	1-47
P,A	US 2003/232873 A1 (KOPPITZ MARCUS KARL ET AL) 18 December 2003 (2003-12-18) see general formula and definitions of Re,Rf -----	1-47

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2004/018180

Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 45-47 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/018180

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0496314	A	29-07-1992	US 5100891 A	31-03-1992
			AT 158790 T	15-10-1997
			AU 650315 B2	16-06-1994
			AU 1027992 A	23-07-1992
			BR 9200171 A	06-10-1992
			CA 2059610 A1	19-07-1992
			CS 9200129 A3	12-08-1992
			DE 69222444 D1	06-11-1997
			DE 69222444 T2	04-06-1998
			DK 496314 T3	18-05-1998
			EP 0496314 A1	29-07-1992
			ES 2109953 T3	01-02-1998
			FI 920192 A	19-07-1992
			FI 970396 A	30-01-1997
			FI 970397 A	30-01-1997
			FI 20001775 A	10-08-2000
			GR 3025318 T3	27-02-1998
			HU 67027 A2	30-01-1995
			IE 920149 A1	29-07-1992
			JP 2665422 B2	22-10-1997
			JP 4334367 A	20-11-1992
			KR 230881 B1	15-11-1999
			MX 9200206 A1	01-08-1992
			NO 920235 A ,B,	20-07-1992
			NZ 241305 A	26-10-1994
			PL 293209 A1	05-04-1993
			PL 296651 A1	26-07-1993
			RO 112505 B1	30-10-1997
			RU 2077530 C1	20-04-1997
			US 5472975 A	05-12-1995
			US 5514700 A	07-05-1996
			US 5192789 A	09-03-1993
			US 5298626 A	29-03-1994
			ZA 9200341 A	30-09-1992
WO 0200632	A	03-01-2002	AU 7058001 A	08-01-2002
			CA 2411157 A1	03-01-2002
			WO 0200632 A1	03-01-2002
			EP 1299364 A1	09-04-2003
			JP 2004501904 T	22-01-2004
			US 2002128262 A1	12-09-2002
EP 0451634	A	16-10-1991	AT 102618 T	15-03-1994
			AU 632213 B2	17-12-1992
			AU 7425291 A	17-10-1991
			CA 2039873 A1	11-10-1991
			DE 69101330 D1	14-04-1994
			DE 69101330 T2	16-06-1994
			DK 451634 T3	02-05-1994
			EP 0451634 A2	16-10-1991
			ES 2062591 T3	16-12-1994
			HU 57205 A2	28-11-1991
			IE 911186 A1	23-10-1991
			IL 97795 A	31-08-1995
			JP 4234846 A	24-08-1992
			NZ 237709 A	28-10-1992
			PT 97280 A	31-01-1992
			US 5204374 A	20-04-1993

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/018180

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0451634 A		ZA 9102609 A	29-01-1992
US 2003232873 A1	18-12-2003	DE 10164564 A1	26-06-2003
		CA 2468880 A1	26-06-2003
		WO 03051837 A2	26-06-2003
		EP 1453803 A2	08-09-2004